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DATE MAILED: 10/02/2006

APPLICATION NO. FIL		LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,474	10/550,474 09/22/2005		Doru Tatar	23395	1958
535	7590	590 10/02/2006		EXAMINER	
		RL F ROSS	FLANIGAN, ALLEN J		
5676 RIVER PO BOX 90		VENUE	ART UNIT	PAPER NUMBER	
RIVERDAL	E (BRON	X), NY 10471-090	3753		

Please find below and/or attached an Office communication concerning this application or proceeding.

U.S. Patent and Trademark Office PTOL-326 (Rev. 08-06)

Paper No(s)/Mail Date __

3) Information Disclosure Statement(s) (PTO/SB/08)

5) Notice of Informal Patent Application

6) Other:

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The disclosure is objected to under 37 CFR 1.71, as being so incomprehensible as to preclude a reasonable search of the prior art by the examiner. For example, the following items are not understood: The particular shape of the tiles employed in the regenerator brick structure, and how they interfit to form a regenerator structure. The specification suggests that the intent is to improve upon the clearly disclosed structure of US patent 5,924,477 in some fashion, but it is not clear how ("This regenerator for heat exchanger has the disadvantage of not ensuring a communication through horizontal joint networks for a fourth of the vertical straight channels on the height of a three successive courses pack, but for a bigger pack only which can comprise even the whole height of the regenerator structure." It is not understood what features are being referred to here). It is not clear what the "horizontal joint networks" refer to, or how they are meant to "[connect] all vertical straight channels by a maximum number of connections".

In the art of regenerator brick structure, the basic construction of these devices is unchanging; thus innovation involves subtle differences in structure for the interfitting geometric tiles. In order to clearly convey the essence of the invention and establish that applicant has possession of the claimed invention, a clear and detailed disclosure of the structure of individual tiles including several drawing figures is necessary (see the disclosure of the cited patents).

Applicant is required to submit an amendment which clarifies the disclosure so that the examiner may make a proper comparison of the invention with the prior art.

Applicant should be careful not to introduce any new matter into the disclosure (i.e., matter which is not supported by the disclosure as originally filed).

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

The specification is objected to under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The invention being claimed does not appear to be described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Due to the vagueness and incomprehensibility of the disclosure (including written specification and drawings) noted above, it appears that the disclosure as presented is nonenabling. The standard for enablement is undue experimentation; the disclosure presented appears to be so lacking in fundamental guidance as to the essential structural features and details of the invention that distinguish it from the prior art as to be essentially useless in communicating the invention to the interested public.

Claims 1-3 are rejected under 35 U.S.C. 112, first and/or second paragraph, as being based on an inadequate disclosure, and/or as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims refer to features ("lower, median, and upper courses", "vertical channels", etc.) that are not clearly disclosed in the specification and drawings. Thus, the scope of claimed subject matter for which patent protection is sought cannot be ascertained.

The prior art made of record shows various regenerator mass structures comprising geometric bricks or tiles that interfit. Note the clear description of these patents regarding the structure of individual bricks, and the clear description of how they interfit to form a mass or checkerwork that includes passages for heat exchange fluid.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen J. Flanigan whose telephone number is (571) 272-4910. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eric Keasel can be reached on (571) 272-4929. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Allen J. Flanigan Primary Examiner

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AJF